

SEQUENCE LISTING

<110> Vega MASIGNANI <120> ADP-RIBOSYLATING TOXIN FROM LISTERIA MONOCYTOGENES PP020009.0003 <130> <140> PCT/IB2004/001440 2004-04-08 <141> <150> GB0308198.1 <151> 2003-04-09 <160> 29 <170> SegWin99, version 1.02 <210> 1 <211> 604 <212> PRT <213> Listeria monocytogenes <400> Met Lys Glu Val Asn Tyr Arg Glu Asp Asp Trp Arg Glu Ala Lys Ser Ala Leu Ala Pro Phe Ala Ala Asn Trp Val Gly Leu Phe Asn Asn Leu Glu Lys Val Ser Lys Asn Met Glu Glu Ala Glu Glu Asp Val 40 Gln Glu Leu Asp Ser Asp His Ala Ile Ser Phe Gln His Thr Asn Tyr 50 Arg Gly Lys Tyr Ser Ala Ile Glu Asp Asp Leu Met Val Leu Tyr Lys Phe Ser Cys His Ala Gly Glu Lys Met Glu Thr Leu Val Asp Gln Pro 90 Phe Tyr Glu Lys Leu Asp Ala Phe Val Asp Gly Met Gln Asp Leu Ser 100 Ile Ser Thr Tyr Ser Thr Thr Asn Arg Ile Gly Ala Lys Ser Lys Gln 120 Thr Tyr Thr Thr Ser Gly Gly Ser Gln Val Ile Glu Ser Ile Lys 130 135 Glu Gly Ala Thr Ile Glu Asp Leu Met Asn Gly Asp Asn Phe Tyr Ala 145 150 Asn Gln Met Gln Leu Gln Tyr Arg Asp Trp Gln Arg Ala Asn Pro Asp 165 170

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Ala Glu Arg Ile Lys Asn Leu Ser Ser Ala Leu Glu Lys Ala Glu Leu 485 490 495 Pro Asp Asn Ile Ile Leu Tyr Arg Gly Thr Ser Ser Glu Ile Leu Asp 505 Asn Phe Leu Asp Leu Lys Asn Leu Asn Tyr Gln Asn Leu Val Gly Lys 520 Thr Ile Glu Glu Lys Gly Phe Met Ser Thr Thr Ile Ser Asn Gln 530 535 Thr Phe Ser Gly Asn Val Thr Met Lys Ile Asn Ala Pro Lys Gly Ser 545 555 Lys Gly Ala Tyr Leu Ala His Phe Ser Glu Thr Pro Glu Glu Ala Glu 565 570 Val Leu Phe Asn Ile Gly Gln Lys Met Leu Ile Lys Glu Val Thr Glu 580 585 590 Leu Asn Gly Lys Ile Glu Ile Ile Val Asp Leu Leu 600 <210> 2 <211> 1815 <212> DNA <213> Listeria monocytogenes <400> 2 atgaaagaag tcaactaccg agaagacgac tggcgtgaag ccaaaagtgc cctcgctcca 60 tttgccgcag cgaattgggt aggcggttta ttcaataatt tagaaaaagt atcgaaaaat 120 atggaagaag cggaagaaga tgtccaagag ttggactcag accacgcgat ttcgtttcaa 180 cacaccaact atcgcgggaa gtacagcgct atcgaagacg atttgatggt attgtataag 240 tttagttgtc atgcagggga aaagatggaa accctggtag accaaccgtt ctatgagaag 300 ttagacgcgt ttgtggatgg catgcaagat ttgagtattt cgacgtattc taccaccaac 360 cggattggtg cgaagtcgaa acaaacctat acaactacat ctggcggttc gcaagtcatc 420 gagtccatca aagaaggtgc gacgatcgaa gatttgatga atggcgataa cttctacgca 480 aaccaaatgc aactacaata cagggactgg caacgagcga atccagatca agatgtgagt 540 aagaaagact ttcaaatggg aatgttacat agtcgggcat ttgaatataa atcaattaaa 600 gatgaacaac aagagaaaga attttgggtc aacattgtgg caaccgtggt gattgtggga 660 gtcagtattt tctgcccacc cgccggcctt gccttagccg taggatacgg gagtttagaa 720 gctggttcgg caatcagtgg gaaggactgg gtatctggcc gtgaactaag tacagaagaa 780 cgagcgcttc gtggcggttt agcactgcta gatatcgttc caggtgtgaa agcattgagc 840 acaggagcga aagctgccag tgccggctcg aaacttgtcc gcgtaggcga taatgtttta 900 gcaggtagca agaacgtcgg caaaggaacc atcgacaatg gcattcaagc aggaaaacaa 960 gcgatggatc tccggttagc caatgcgaaa aaagtcagcg aagctgtcca aaagaaactc 1020 accaaagacc ttgacgatat cggcacgatg gccaaaacca tccaaaacaa aaccaaagaa 1080 accttcacac ttccaccgag agagcaactc gcctttgcga gaggaggcag tattccggaa 1140 caaagcgcca ccggagccgc cgcgatagcc gcgaagaaaa agctgaaaga tattatgcag 1200 aacatggata atttgaatgt gaagggcggc gggaaagatg atataattga acaaaataaa 1260 agccttaagt ttacttcatt agaggaatcc gagaaatggg gaattgatgg tttttcagta 1320 tggagaaact ctttatcttc tcgtgaaatc caagctatta gggactatac agacatttgg 1380 cattatggaa atatgaatgg ttatttaaga ggaagtgtcg aaaaacttgc cccagataat 1440 gcagaaagaa ttaagaatct aagcagtgct ttggaaaaaag cagagttacc tgataatata 1500 attttatata gaggaactag ttctgaaata ttggataact ttcttgattt aaagaattta 1560 aattaccaaa atttagttgg gaaaacaatt gaagaaaaag gatttatgag tacaactacc 1620

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